

MASS PREPARATION METHOD OF MONOCLONAL ANTIBODIES TO METHAMPHETAMINE(MAP)

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Abstract of KR 20030080782 (A)

PURPOSE: A mass preparation method of monoclonal antibodies to methamphetamine (MAP) is provided, thereby accurately detecting methamphetamine. **CONSTITUTION:** A mass preparation method of monoclonal antibodies to methamphetamine (MAP) comprises the steps of: binding MAP to BSA(bovine serum albumin) and OA(ovalbumin) using DSS(disuccinimidyl suberate) as a coupling agent to prepare MAP-BSA conjugate and MAP-OA conjugate; injecting the MAP-BSA conjugate to the abdominal cavity and under the skin of a mouse(Balb/c); collecting spleen cells of an immunized mouse and fusing the spleen cells with myeloma cells; culturing the fusion cell in HAT(hypoxanthine aminopterin thymidine) medium and selecting a monoclonal antibody producing cell line using the MAP-OA conjugate; injecting the monoclonal antibody producing cell line to the abdominal cavity of a mouse(Balb/c); collecting ascite produced; and purifying the ascite to obtain the monoclonal antibodies to MAP.

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